




cudy

Model: **RE3600**

# BE3600

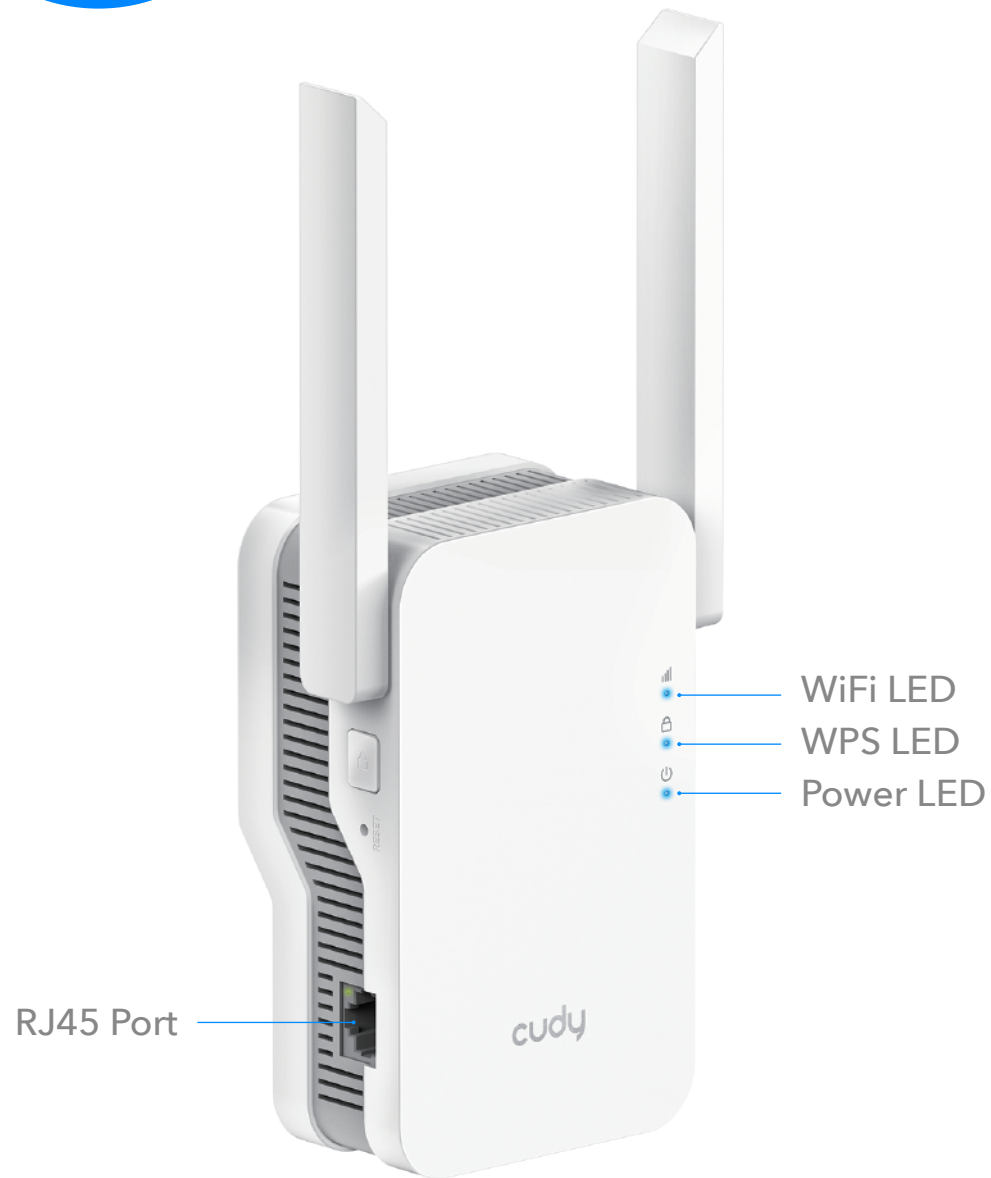
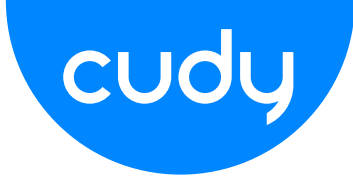
Mesh Wi-Fi 7 Range Extender

-  Powerful Broadcom 2 GHz Quad-Core CPU
-  Compatible with Any Wi-Fi Router or Gateway
-  3-In-1 Wi-Fi Extender/ Access Point/ Add-on Mesh



Wi-Fi 7

WHOLE HOME  
**MESH**  
Expandable Seamless  
Coverage



## Features

### Multi-Link Operation (MLO)

- MLO in Wi-Fi 7 aggregates traffic across multiple bands

### Wall-Plug Design

- Easy to install and move

### External Antennas

- Provides powerful connectivity and expansive Wi-Fi coverage

### Easy Setup

- Setup with the WPS button of the existing router and Cudy RE3600

### Ethernet Port

- Connect a wired device for better performance

## Enjoy Cudy Whole Home Mesh Wi-Fi System





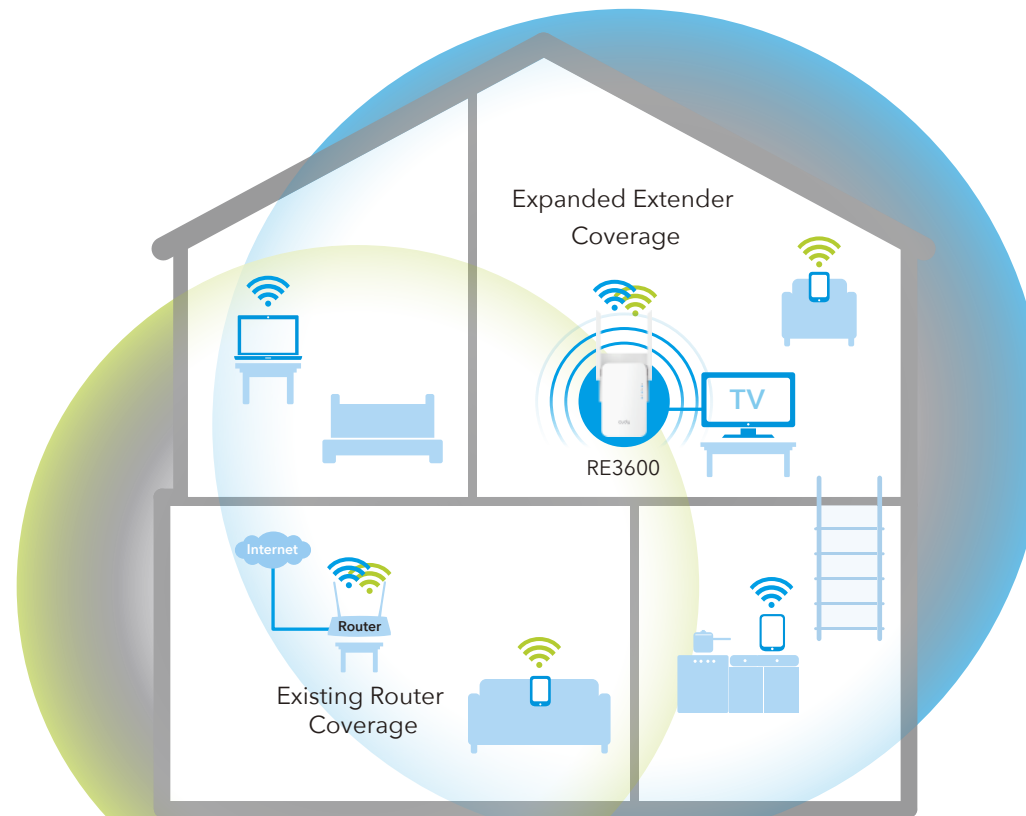
# Extend Your Wireless Coverage with Wi-Fi 7

## Say goodbye to Wi-Fi dead zones

A single router has limited Wi-Fi coverage and always causes Wi-Fi dead zones. RE3600 wirelessly connects to your existing router and boosts Wi-Fi signals throughout your home, giving you a smooth Wi-Fi network experience with great capacity and coverage.

## More Connections, Better Performance

The latest Wi-Fi 7 technology is built for today's devices, eliminating lag, endless loading and dead spots. It's perfectly suited to your network needs especially for bandwidth-intensive tasks like cloud gaming or 4K UHD video.

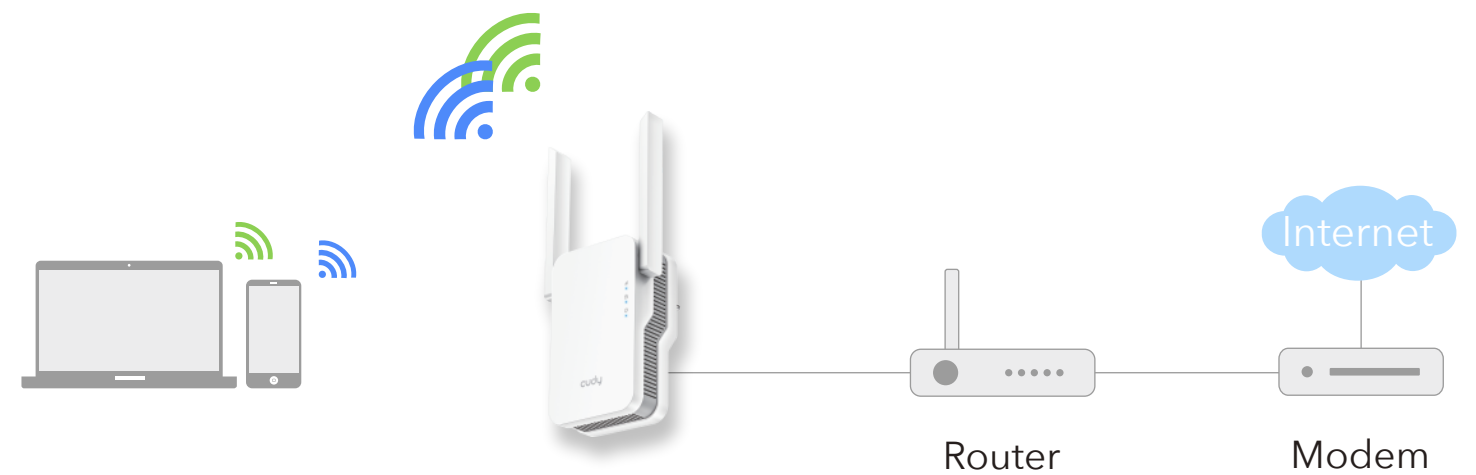


- 2882 Mbps on 5 GHz
- 688 Mbps on 2.4 GHz
- Ethernet Cable
- Existing Router Coverage
- Expanded Extender Coverage

## Wi-Fi Extender Mode



## Access Point Mode





## Hardware Specs

|                       |                                |  |
|-----------------------|--------------------------------|--|
| <b>Model Version</b>  | RE3600 1.0                     |  |
| <b>CPU</b>            | Chipset                        | BCM6764  |
|                       | CPU Details                    | 2.0 GHz Quad-Core, ARM Cortex-A7   |
| <b>Memory/Storage</b> | Flash/ROM                      | 128 MB (1 Gbit) NAND   |
|                       | DDR/RAM                        | 256 MB (2 Gbit) DDR3   |
| <b>Wireless</b>       | 5 GHz Wi-Fi Speed              | 2882 Mbps  |
|                       | 2.4 GHz Wi-Fi Speed            | 688 Mbps   |
|                       | 5 GHz Wi-Fi Streams            | 2T2R (2×2 MIMO)  |
|                       | 2.4 GHz Wi-Fi Streams          | 2T2R (2×2 MIMO)  |
|                       | Wi-Fi Antennas                 | 2× Fixed   |
|                       | FEM or PA/LNA                  | • 5 GHz: 2× Internal<br>• 2.4 GHz: 2× Internal   |
|                       | Range Performance              | Max: 150 m (492 ft)<br>Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions. |
|                       | Wall Performance               | One wooden wall with thickness < 20 cm (7")<br>One concrete wall with thickness < 10 cm (4")   |
| <b>Interfaces</b>     | Gigabit RJ45 Ports             | 1  |
|                       | LED                            | • Signal Strength  |
|                       |                                | • WPS  |
|                       |                                | • Power  |
| Physical Buttons      | • WPS Button<br>• Reset Button |  |

|                             |                          |   |
|-----------------------------|--------------------------|---|
|                             | Power Input              | AC Plug   |
|                             | Power Input Note         | EU, US, UK, AU Plug are Available   |
| <b>Power</b>                | Power Methods            | AC  |
|                             | AC                       | 100V ~ 240V   |
| <b>Reliability</b>          | Environment              | Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F)  |
|                             |                          | Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F)   |
|                             |                          | Operating Humidity: 10% ~ 90% non-condensing<br>Storage Humidity: 5% ~ 90% non-condensing |
|                             | Grounding Methods        | Three-Prong Plug  |
| <b>Certifications</b>       | FCC, CE                  |   |
| <b>Mechanical</b>           | Install in a Daisy Chain | Recommend to install less than 3 repeaters in a wireless chain.                           |
|                             | Installation             | Plug-In-Socket  |
|                             | Casing Material          | Plastic   |
|                             | Dimension                | 129.6×80×48.6 mm  |
|                             |                          | 5.1×3.15×1.91 inches  |
| <b>Ordering Information</b> | Retail Package           | 161×120×96 mm   |
|                             | Dimension                | 6.34×4.72×3.78 inches   |
|                             | Units per Carton         | 30  |
|                             | Carton Dimension         | 50.4×37.7×34.1 cm   |
| 19.84×14.84×13.43 inches    |                          |   |



# Software Specs

|                      |                                |   |
|----------------------|--------------------------------|---|
| <b>Model Version</b> | RE3600 1.0                     |   |
| <b>Wireless</b>      | Wi-Fi Standards                | Wi-Fi 7   |
|                      | Max Wi-Fi Modulation           | 4K-QAM  |
|                      | Wi-Fi Efficiency               | <ul style="list-style-type: none"> <li>• MLO</li> <li>• MRU</li> <li>• Puncturing</li> <li>• OFDMA</li> <li>• MU-MIMO</li> <li>• BSS Color</li> </ul> |
|                      | Max Capacity                   | 512   |
|                      | Recommended Client Upper Limit | 50  |
|                      | Max Wi-Fi Channel Width        | 160 MHz   |
|                      | WPS                            | True  |
|                      | <b>General</b>                 | Operation Modes   |
| Mesh                 |                                | Cudy Mesh Satellite   |
| Mesh Backhaul        |                                | <ul style="list-style-type: none"> <li>• Wireless Backhaul</li> <li>• Wired Backhaul</li> </ul>   |
| Multi-Band Backhaul  |                                | true  |
| <b>System</b>        | LED Control                    | ture  |
|                      | Local Control Method           | <ul style="list-style-type: none"> <li>• Config Web Page</li> <li>• App Control</li> </ul>  |
|                      | Remote Control Method          | App Control   |

|                  |                   |  |
|------------------|-------------------|--|
|                  | Firmware Upgrade  | <ul style="list-style-type: none"> <li>• Local Update</li> <li>• App (Over the Air)</li> <li>• Online Update</li> </ul>  |
|                  | Reliability       | <ul style="list-style-type: none"> <li>• Timed Reboot</li> <li>• Backup and Restore</li> </ul>   |
| <b>Dashboard</b> | Panel             | <ul style="list-style-type: none"> <li>• Connected Devices</li> <li>• Host Network Status</li> <li>• Wi-Fi Status</li> <li>• LAN Status</li> <li>• System Version</li> </ul>   |
| <b>System</b>    | Diagnostic Tools  | <ul style="list-style-type: none"> <li>• Ping</li> <li>• Traceroute</li> <li>• NSLookup</li> <li>• System Log</li> </ul>   |
|                  | Languages         | <ul style="list-style-type: none"> <li>• English • Bengali • Catalan • Czech • German</li> <li>• Greek • Spanish • French • Hebrew • Croatian</li> <li>• Hungarian • Italian • Japanese • Khmer • Korean</li> <li>• Dutch • Norwegian • Polish • Portuguese</li> <li>• Romanian • Russian • Slovak • Swedish</li> <li>• Thai • Turkish • Ukrainian • Vietnamese</li> <li>• Simplified Chinese • Traditional Chinese</li> </ul> |
| <b>Dashboard</b> | Charts            | Mesh Topology  |
| <b>General</b>   | Internet Failover | <ul style="list-style-type: none"> <li>• Wired</li> </ul>  |
|                  | Sequence          | <ul style="list-style-type: none"> <li>• Wireless</li> </ul>   |

## CE DECLARATION OF CONFORMITY

For the following equipment:

**Product Name:** BE3600 Dual-Band Mesh Wi-Fi 7 Extender

**Model Number:** RE3600

**Trademark:** Cudy

We declare under our own responsibility that the above product satisfies all the technical regulations applicable to the product within the scope of Council Directives:

**Directive 2014/30/EU, Directive 2014/35/EU, Directive 2014/53/EU, Directive 2011/65/EU, Directive (EU) 2015/863, Directive 2009/125/EC, Directive (EU)2023/826**

The above product is in conformity with the following standards or other normative documents:

|   |  |
|---|--|
| <b>EN 55032:2015+A1:2020</b>              | <b>ETSI EN 301 489-17 V3.2.4 (2020-09)</b> |
| <b>EN 55032:2015+A11:2020</b>             | <b>ETSI EN 300 328 V2.2.2 (2019-07)</b>    |
| <b>EN IEC 61000-3-2:2019+A1:2021</b>      | <b>ETSI EN 301 893 V2.1.1 (2017-05)</b>    |
| <b>EN 61000-3-3:2013+A2:2021</b>          | <b>ETSI EN 300 440 V2.2.1 (2018-07)</b>    |
| <b>EN 55035:2017+A11:2020</b>             | <b>EN 50385:2017</b>                       |
| <b>EN IEC 62368-1:2020+A11:2020</b>       | <b>EN IEC 62311:2020</b>                   |
| <b>ETSI EN 301 489-1 V2.2.3 (2019-11)</b> | <b>EN 62232:2017</b>                       |
| <b>ETSI EN 301 489-3 V2.3.2 (2023-01)</b> |  |

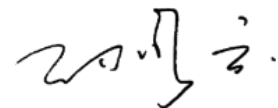
Person responsible for making this declaration:

Sun Qiaoyun

Regulatory Compliance Manager

Place of issue: Shenzhen, China

Date of issue: 2025-5-15



## **ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ**

Για τον ακόλουθο εξοπλισμό:

**Όνομα Προϊόντος:** BE3600 Dual-Band Mesh Wi-Fi 7 Extender

**Αριθμός Μοντέλου:** RE3600

**Εμπορικό Σήμα:** Cudy

Διακηρύσσουμε με κάθε ευθύνη ότι το παραπάνω προϊόν συμμορφώνεται με όλους τους τεχνικούς κανονισμούς που ισχύουν για το προϊόν, εντός του αντικειμένου των Κοινοτικών Οδηγιών:

**Οδηγία 2014/30/ΕΕ, Οδηγία 2014/35/ΕΕ, Οδηγία 2014/53/ΕΕ, Οδηγία 2011/65/ΕΕ, Οδηγία (ΕΕ) 2015/863, Οδηγία2009/125/ΕΚ, Οδηγία(ΕΕ)2023/826**

Το παραπάνω προϊόν βρίσκεται σε συμμόρφωση με τα ακόλουθα πρότυπα ή άλλα έγγραφα συμμόρφωσης:

|   |  |
|---|--|
| <b>EN 55032:2015+A1:2020</b>              | <b>ETSI EN 301 489-17 V3.2.4 (2020-09)</b> |
| <b>EN 55032:2015+A11:2020</b>             | <b>ETSI EN 300 328 V2.2.2 (2019-07)</b>    |
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| <b>ETSI EN 301 489-3 V2.3.2 (2023-01)</b> |  |

Υπεύθυνος για τη δήλωση αυτή:

Sun Qiaoyun

Διευθυντής κανονιστικής συμμόρφωσης

Τόπος έκδοσης: Shenzhen, Κίνα

Ημερομηνία έκδοσης: 2025-5-15

